Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	96	("4949293" "6285760" "6307935" "6259790" "5615268" "5748738" "6237096" "6301660" "6185304" "6185679" "6697488" "6396929" "6823068" "6088798" "6376445" "6440911" "5987133" "5796830" "6052469" "6499106" "6185316" "5815573" "5241599" "6038551" "6108419" "6345098" "5631961" "5220606" "5511123" "5627893" "5745578" "6779111" "5365589" "6038318" "6047242" "5271061" "5463690" "5581616" "5805703" "6049610" "6459792" "6131162" "6269163" "5623548" "6816968" "5640455" "6209093" "5850450" "6163841" "6243467").pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:13
S2	87	S1 and @ad<"19990129"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:07
S3	4141	380/1,247,255,268,277-279, 281-285,46,28-30.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:08
S4	2434	S3 and @ad<"19990129"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:09
S5	1927	S4 and (encryp$4 or encypher$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:09
S6	1074	S5 and ((asymmetric or public) with key)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:10

S7	394	S6 and (mod or modulus)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:37
S8	24	S6 and abelian	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:11
S9	13	S7 and (jacobi$2)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:54
S10	4	"4405829".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:52
S11	0	S7 and "data coherence"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 14:14
S12	2	"5956404".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 14:14
S13	1939	checksum and (verify with data)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 12:46
S14	812	S13 and @ad<"19990129"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 12:46

S15	239	S14 and (encrypt$4 or encypher$4 or cryptography)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:07
S16	1939	checksum and (verify with data)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:07
S17	812	S16 and @ad<"19990129"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:07
S18	239	S17 and (encrypt$4 or encypher$4 or cryptography)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:07
S19	0	S18 and ("redundant text")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:07
S20	41	"redundant text"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:14
S21	3	S20 and (encrypt$4 or encypher$4 or cryptography)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:13
S22	0	S21 and @ad<"19990129"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:14

S23	6001	"redundant text" or "redundant data"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:14
S24	636	S23 and (encrypt$4 or encypher$4 or cryptography)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:14
S25	134	S24 and @ad<"19990129"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:15
S26	4146	380/1,247,255,268,277-279, 281-285,46,28-30.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:37
S27	2434	S26 and @ad<"19990129"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:37
S28	1927	S27 and (encryp$4 or encypher$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:37
S29	1074	S28 and ((asymmetric or public) with key)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:37
S30	394	S29 and (mod or modulus)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:37

S31	265	S30 and ("random number")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:38
S32	88	S31 and ("xor" or "exor" or "exclusive or")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:47
S33	0	S32 and "data coherence"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:48
S34	49	S32 and (public with random)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:48

Most Frequently Occurring Classifications of Patents Returned
From A Search of 09890286 on March 10, 2005

Original Classifications
```
10   380/30
 6   380/28
 6   713/176
 5   380/286
 2   380/37
 2   380/43
 2   713/171
```

Cross-Reference Classifications
```
14   380/30
10   380/28
 5   713/170
 5   713/176
 4   380/259
 3   380/277
 3   380/283
 3   380/29
 3   380/44
 3   713/180
 3   713/181
 2   380/1
 2   380/278
 2   380/37
 2   510/226
 2   510/305
 2   510/321
 2   510/392
 2   510/530
 2   713/167
 2   713/171
 2   713/172
 2   713/193
```

Combined Classifications
```
24   380/30
16   380/28
11   713/176
 6   713/170
 5   380/286
 4   380/259
 4   380/29
 4   380/37
 4   380/44
 4   713/171
 3   380/277
 3   380/283
 3   380/43
 3   713/180
 3   713/181
 3   713/193
 2   380/1
 2   380/278
 2   380/42
 2   380/46
 2   510/226
 2   510/305
 2   510/320
 2   510/321
```

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2   510/392
2   510/530
2   708/491
2   713/167
2   713/168
2   713/172
2   713/178
```

09890286_CLSTITLES.txt
Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 09890286 on March 10, 2005

```
24  380/30         (10 OR, 14 XR)
        Class   380 :  CRYPTOGRAPHY
        380/28            PARTICULAR ALGORITHMIC FUNCTION ENCODING
        380/30            .Public key

16  380/28         (6 OR, 10 XR)
        Class   380 :  CRYPTOGRAPHY
        380/28            PARTICULAR ALGORITHMIC FUNCTION ENCODING

11  713/176        (6 OR, 5 XR)
        Class   713 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                          SYSTEMS:   SUPPORT
        713/150           MULTIPLE COMPUTER COMMUNICATION USING
                              CRYPTOGRAPHY
        713/168           .Particular communication authentication
                              technique
        713/176           ..Authentication by digital signature
                              representation or digital watermark

 6  713/170        (1 OR, 5 XR)
        Class   713 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                          SYSTEMS:   SUPPORT
        713/150           MULTIPLE COMPUTER COMMUNICATION USING
                              CRYPTOGRAPHY
        713/168           .Particular communication authentication
                              technique
        713/170           ..Authentication of an entity and a message

 5  380/286        (5 OR, 0 XR)
        Class   380 :  CRYPTOGRAPHY
        380/277           KEY MANAGEMENT
        380/286           .Key escrow or recovery

 4  380/259        (0 OR, 4 XR)
        Class   380 :  CRYPTOGRAPHY
        380/255           COMMUNICATION SYSTEM USING CRYPTOGRAPHY
        380/259           .Symmetric key cryptography

 4  380/29         (1 OR, 3 XR)
        Class   380 :  CRYPTOGRAPHY
        380/28            PARTICULAR ALGORITHMIC FUNCTION ENCODING
        380/29            .NBS/DES algorithm

 4  380/37         (2 OR, 2 XR)
        Class   380 :  CRYPTOGRAPHY
        380/255           COMMUNICATION SYSTEM USING CRYPTOGRAPHY
        380/36            .Time segment interchange
        380/37            ..Block/data stream enciphering

 4  380/44         (1 OR, 3 XR)
        Class   380 :  CRYPTOGRAPHY
        380/277           KEY MANAGEMENT
        380/44            .Having particular key generator

 4  713/171        (2 OR, 2 XR)
        Class   713 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                          SYSTEMS:   SUPPORT
        713/150           MULTIPLE COMPUTER COMMUNICATION USING
                              CRYPTOGRAPHY
```

```
          713/168          .Particular communication authentication
                               technique
          713/171          ..Having key exchange

   3  380/277          (0 OR, 3 XR)
          Class    380 :  CRYPTOGRAPHY
          380/277          KEY MANAGEMENT

   3  380/283          (0 OR, 3 XR)
          Class    380 :  CRYPTOGRAPHY
          380/277          KEY MANAGEMENT
          380/278          .Key distribution
          380/283          ..User-to-user key distributed over data link
                               (i.e., no center)

   3  380/43           (2 OR, 1 XR)
          Class    380 :  CRYPTOGRAPHY
          380/255          COMMUNICATION SYSTEM USING CRYPTOGRAPHY
          380/42           .Data stream/substitution enciphering
          380/43           ..Key sequence signal combined with data signal


   3  713/180          (0 OR, 3 XR)
          Class    713 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                               SYSTEMS: SUPPORT
          713/150          MULTIPLE COMPUTER COMMUNICATION USING
                               CRYPTOGRAPHY
          713/168          .Particular communication authentication
                               technique
          713/180          ..Generating specific digital signature type
                               (e.g., blind, shared, or undeniable)

   3  713/181          (0 OR, 3 XR)
          Class    713 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                               SYSTEMS: SUPPORT
          713/150          MULTIPLE COMPUTER COMMUNICATION USING
                               CRYPTOGRAPHY
          713/168          .Particular communication authentication
                               technique
          713/181          ..Message digest travels with message

   3  713/193          (1 OR, 2 XR)
          Class    713 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                               SYSTEMS: SUPPORT
          713/189          DATA PROCESSING PROTECTION USING CRYPTOGRAPHY

          713/193          .By stored data protection

   2  380/1            (0 OR, 2 XR)
          Class    380 :  CRYPTOGRAPHY
          380/1            CRYPTANALYSIS

   2  380/278          (0 OR, 2 XR)
          Class    380 :  CRYPTOGRAPHY
          380/277          KEY MANAGEMENT
          380/278          .Key distribution

   2  380/42           (1 OR, 1 XR)
          Class    380 :  CRYPTOGRAPHY
          380/255          COMMUNICATION SYSTEM USING CRYPTOGRAPHY
          380/42           .Data stream/substitution enciphering

   2  380/46           (1 OR, 1 XR)
```

```
        Class  380 :  CRYPTOGRAPHY
        380/277        KEY MANAGEMENT
        380/44          .Having particular key generator
        380/46          ..Nonlinear (e.g., pseudorandom)

   2  510/226        (0 OR, 2 XR)
        Class  510 :  CLEANING COMPOSITIONS FOR SOLID SURFACES,
                        AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES   OF
                        PREPARING THE COMPOSITIONS
        510/108        CLEANING COMPOSITIONS OR PROCESSES OF PREPARING
                            (E.G., SODIUM BISULFATE COMPONENT, ETC.)
        510/109        .For cleaning a specific substrate or removing
                            a specific contaminant (e.g., for smoker's pipe, etc.)

        510/218        ..For equipment used in processing, handling,
                            storing, or serving edible product (e.g., dairy or
brewery
                            equipment, household utensils, etc.)
        510/220        ...For use in automatic dishwasher
        510/226        ....Enzyme component of specific activity or
                            source (e.g., protease, ethanol oxidase, of bacterial
                            origin, etc.)

   2  510/305        (0 OR, 2 XR)
        Class  510 :  CLEANING COMPOSITIONS FOR SOLID SURFACES,
                        AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES   OF
                        PREPARING THE COMPOSITIONS
        510/108        CLEANING COMPOSITIONS OR PROCESSES OF PREPARING
                            (E.G., SODIUM BISULFATE COMPONENT, ETC.)
        510/109        .For cleaning a specific substrate or removing
                            a specific contaminant (e.g., for smoker's pipe, etc.)

        510/276        ..For textile material (e.g., laundry
                            detergent, etc.)
        510/302        ...With oxygen or halogen containing chemical
                            bleach or oxidant component
        510/305        ....Enzyme component of specific activity or
                            source (e.g., lipase, of bacterial origin, etc.)

   2  510/320        (1 OR, 1 XR)
        Class  510 :  CLEANING COMPOSITIONS FOR SOLID SURFACES,
                        AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES   OF
                        PREPARING THE COMPOSITIONS
        510/108        CLEANING COMPOSITIONS OR PROCESSES OF PREPARING
                            (E.G., SODIUM BISULFATE COMPONENT, ETC.)
        510/109        .For cleaning a specific substrate or removing
                            a specific contaminant (e.g., for smoker's pipe, etc.)
        510/276        ..For textile material (e.g., laundry
                            detergent, etc.)
        510/320        ...Enzyme component of specific activity or
                            source (e.g., protease, of bacterial origin, etc.)

   2  510/321        (0 OR, 2 XR)
        Class  510 :  CLEANING COMPOSITIONS FOR SOLID SURFACES,
                        AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES   OF
                        PREPARING THE COMPOSITIONS
        510/108        CLEANING COMPOSITIONS OR PROCESSES OF PREPARING
                            (E.G., SODIUM BISULFATE COMPONENT, ETC.)
        510/109        .For cleaning a specific substrate or removing
                            a specific contaminant (e.g., for smoker's pipe, etc.)

        510/276        ..For textile material (e.g., laundry
                            detergent, etc.)
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        510/320        ...Enzyme component of specific activity or
                          source (e.g., protease, of bacterial origin, etc.)
        510/321        ....Liquid composition (e.g., slurry, etc.)

2  510/392        (0 OR, 2 XR)
        Class    510 :  CLEANING COMPOSITIONS FOR SOLID SURFACES,
                          AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES  OF
                          PREPARING THE COMPOSITIONS
        510/108        CLEANING COMPOSITIONS OR PROCESSES OF PREPARING
                          (E.G., SODIUM BISULFATE COMPONENT, ETC.)
        510/392        .Enzyme component of specific activity or
                          source (e.g., protease, of bacterial origin, etc.)

2  510/530        (0 OR, 2 XR)
        Class    510 :  CLEANING COMPOSITIONS FOR SOLID SURFACES,
                          AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES  OF
                          PREPARING THE COMPOSITIONS
        510/513        AUXILIARY COMPOSITIONS FOR CLEANING, OR
                          PROCESSES OF PREPARING (E.G., LAUNDERING AIDS, SUCH AS
                          WRINKLE-REDUCING COMPOSITIONS, ETC.)
        510/530        .Enzyme composition

2  708/491        (1 OR, 1 XR)
        Class    708 :  ELECTRICAL COMPUTERS:  ARITHMETIC PROCESSING
                          AND CALCULATING
        708/100        ELECTRICAL DIGITAL CALCULATING COMPUTER
        708/200        .Particular function performed
        708/490        ..Arithmetical operation
        708/491        ...Residue number

2  713/167        (0 OR, 2 XR)
        Class    713 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                          SYSTEMS:   SUPPORT
        713/150        MULTIPLE COMPUTER COMMUNICATION USING
                          CRYPTOGRAPHY
        713/164        .Security kernel or utility
        713/167        ..Object protection

2  713/168        (1 OR, 1 XR)
        Class    713 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                          SYSTEMS:   SUPPORT
        713/150        MULTIPLE COMPUTER COMMUNICATION USING
                          CRYPTOGRAPHY
        713/168        .Particular communication authentication
                          technique

2  713/172        (0 OR, 2 XR)
        Class    713 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                          SYSTEMS:   SUPPORT
        713/150        MULTIPLE COMPUTER COMMUNICATION USING
                          CRYPTOGRAPHY
        713/168        .Particular communication authentication
                          technique
        713/172        ..Intelligent token

2  713/178        (1 OR, 1 XR)
        Class    713 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                          SYSTEMS:   SUPPORT
        713/150        MULTIPLE COMPUTER COMMUNICATION USING
                          CRYPTOGRAPHY
        713/168        .Particular communication authentication
                          technique
        713/176        ..Authentication by digital signature
```

representation or digital watermark

713/178   ...Time stamp